



# **PUBLIC HEALTH**

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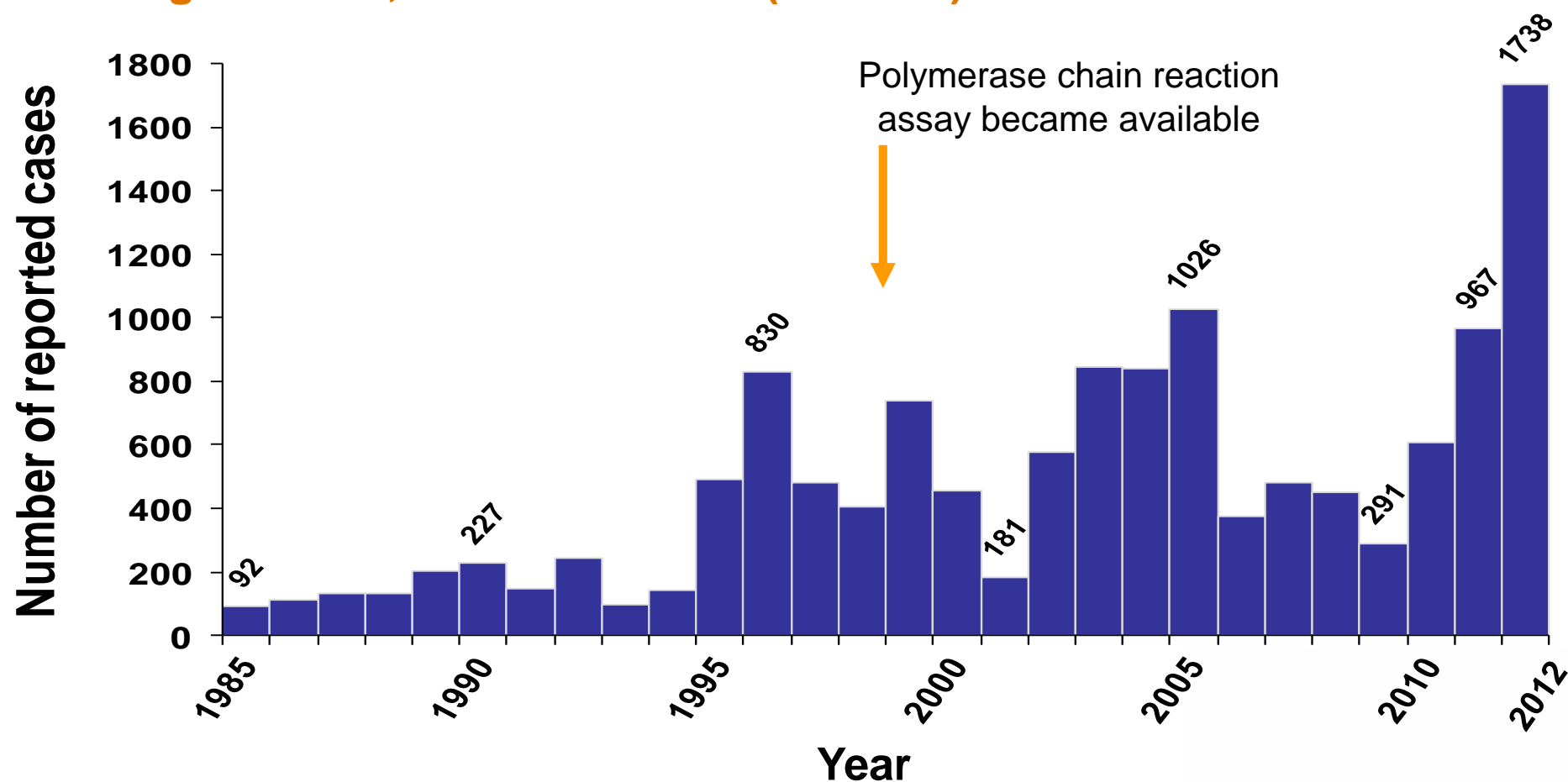
## **Pertussis in Washington State**

Washington State Board of Health  
June 13, 2012

Chas DeBolt, Senior Epidemiologist, Vaccine Preventable Diseases  
Janna Bardi, Director, Office of Immunization and Child Profile

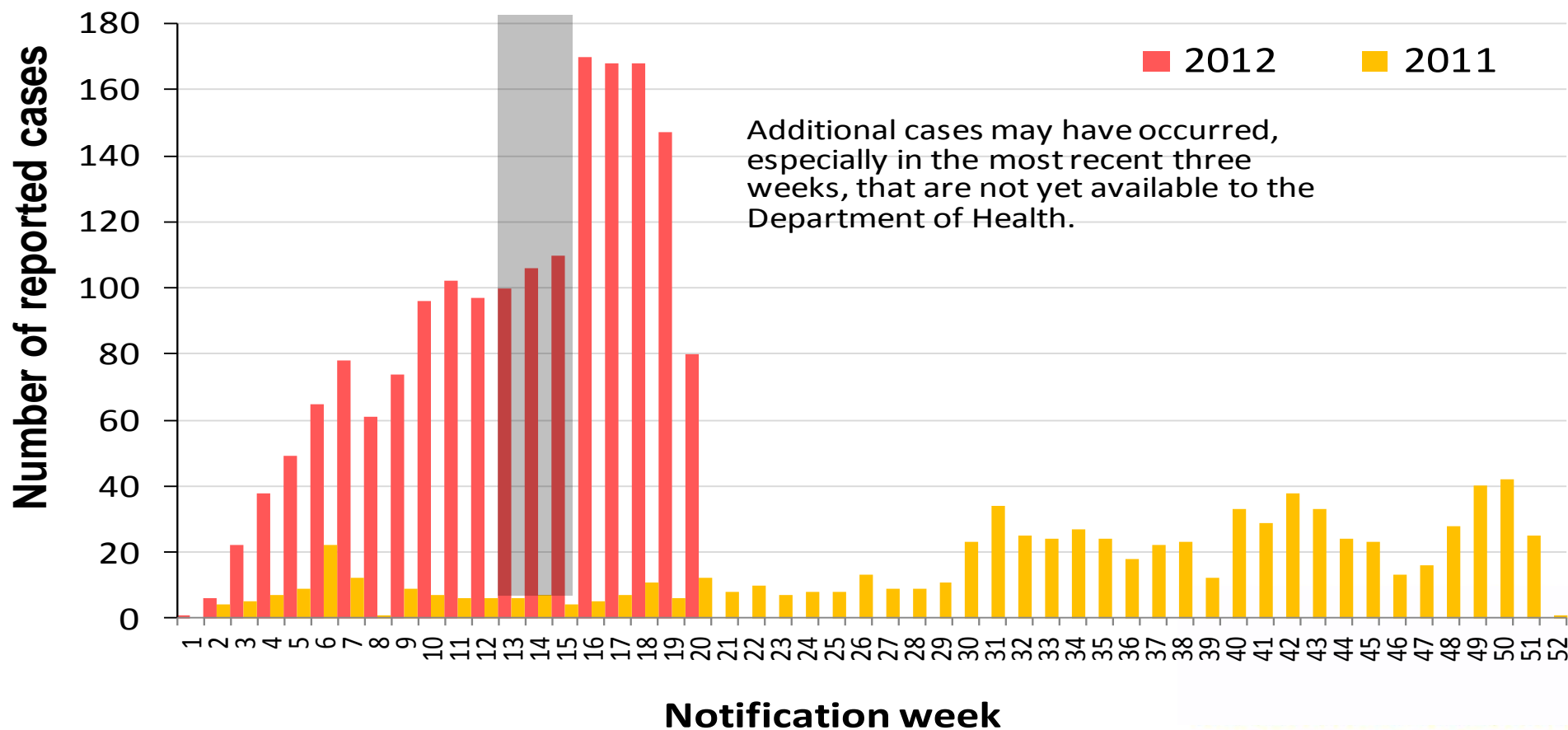
## Reported Cases of Pertussis

Washington State, 1985 - 2012 YTD (week 20)



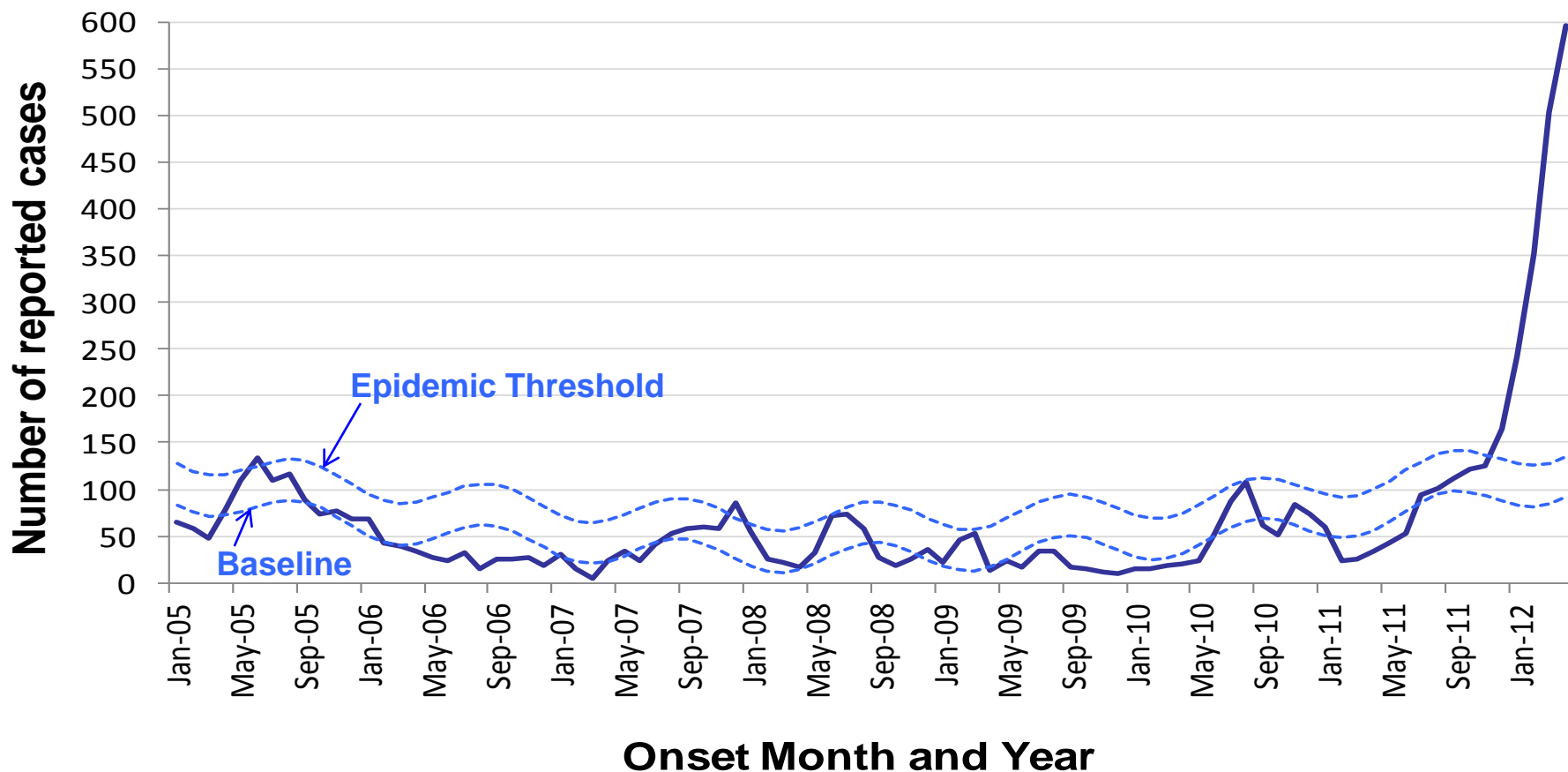
## Reported Cases of Pertussis by Notification Week

Washington State, 2011 vs. 2012 YTD (week 20)



## Reported Cases of Pertussis, Thresholds

Washington State, 2005 – 2011 and 2012 YTD (through April)



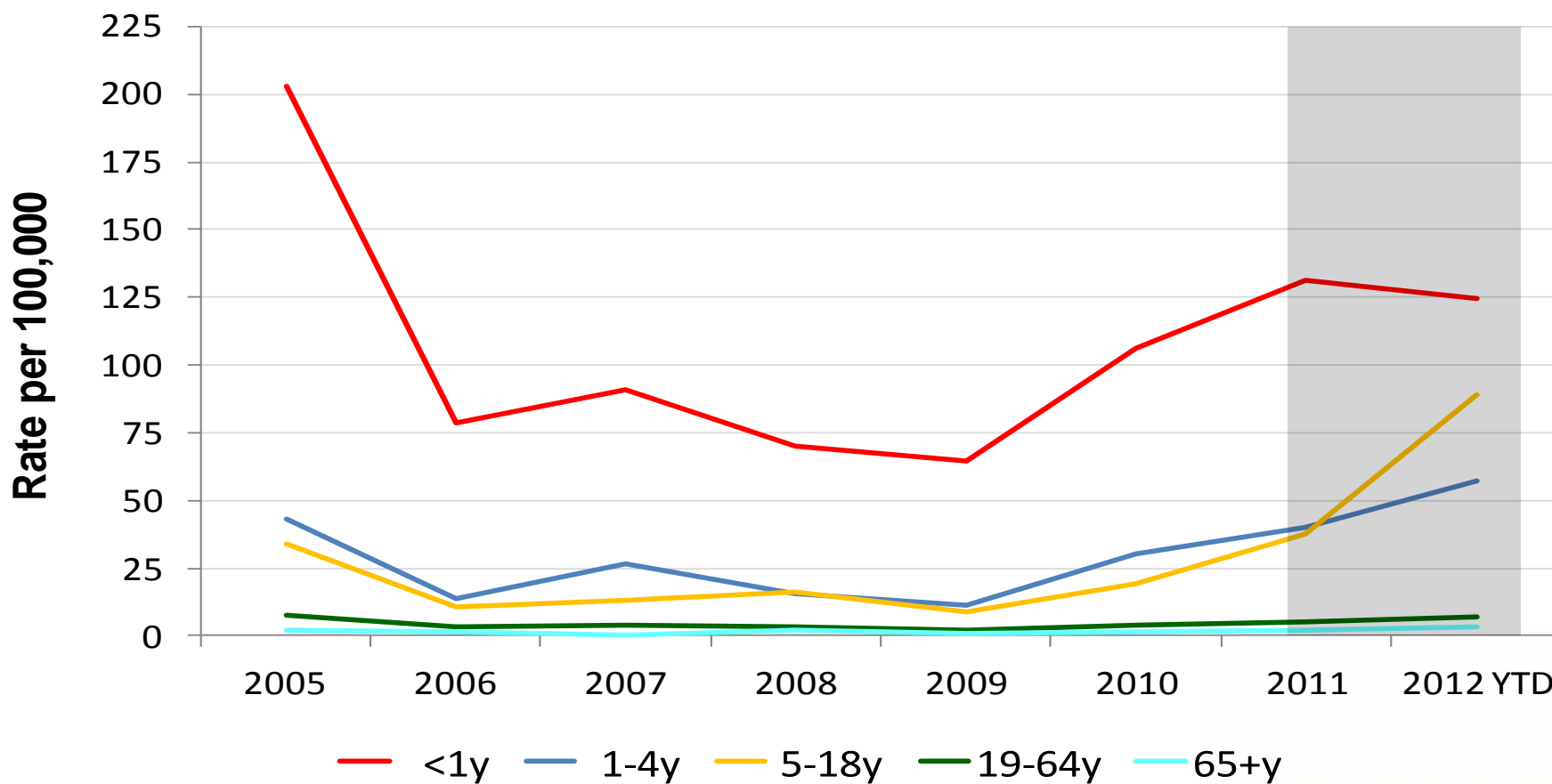
## Pertussis Case Reporting by Case Classification

Washington State, 2007 – 2012 YTD (week 20)

Onset Year	All reports	Cases Reported to CDC (Confirmed & Probable)	PCR+ Suspect Cases	Total Cases if PCR+ Suspect Cases were Included
2007	510	482	13	495
2008	502	461	19	480
2009	342	291	18	309
2010	682	608	32	640
2011	1,082	967	68	1,023
2012 YTD	2,090	1,738	150	1,888

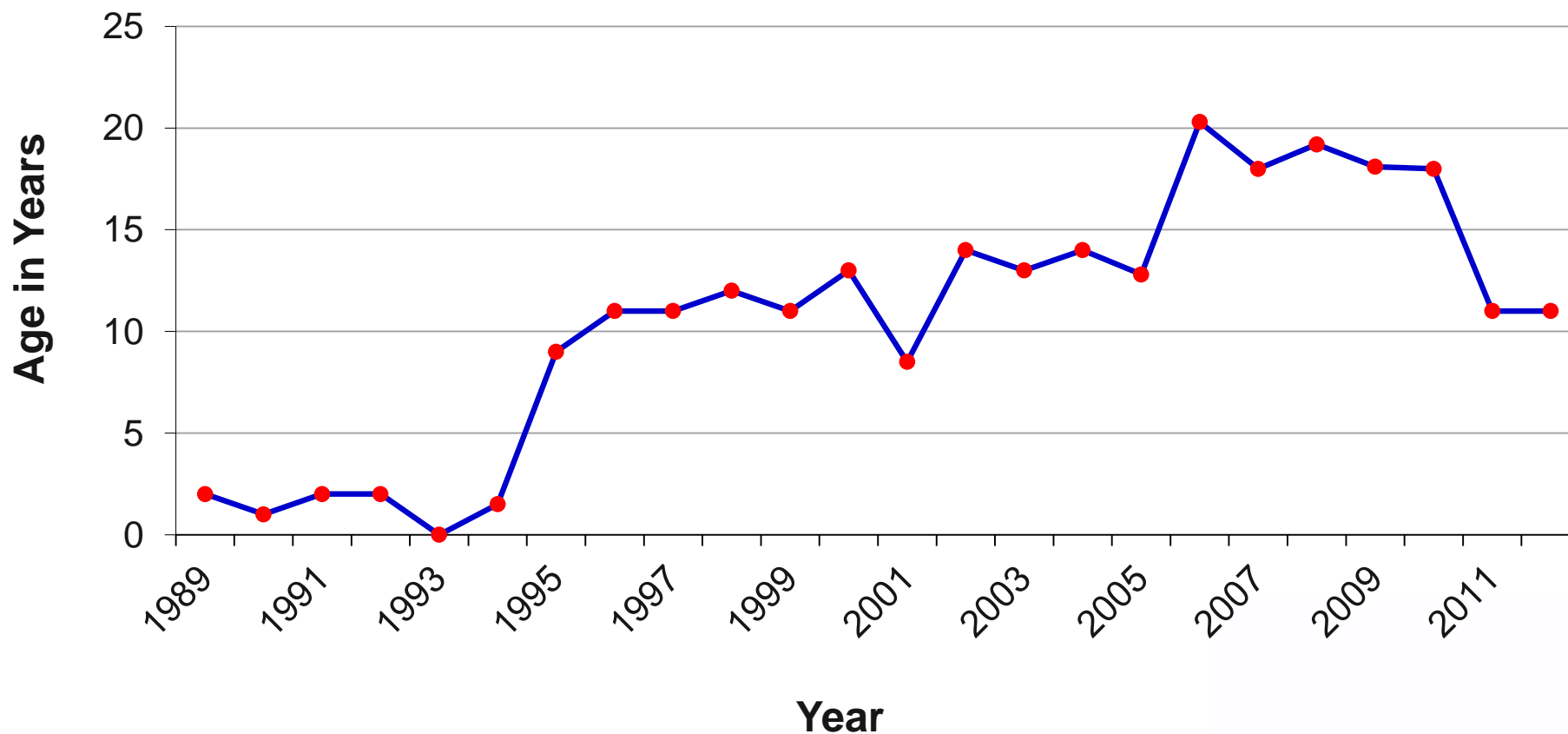
## Pertussis Rates Reported by Age Group

Washington State, 2005 – 2011 and 2012 YTD (week 20)



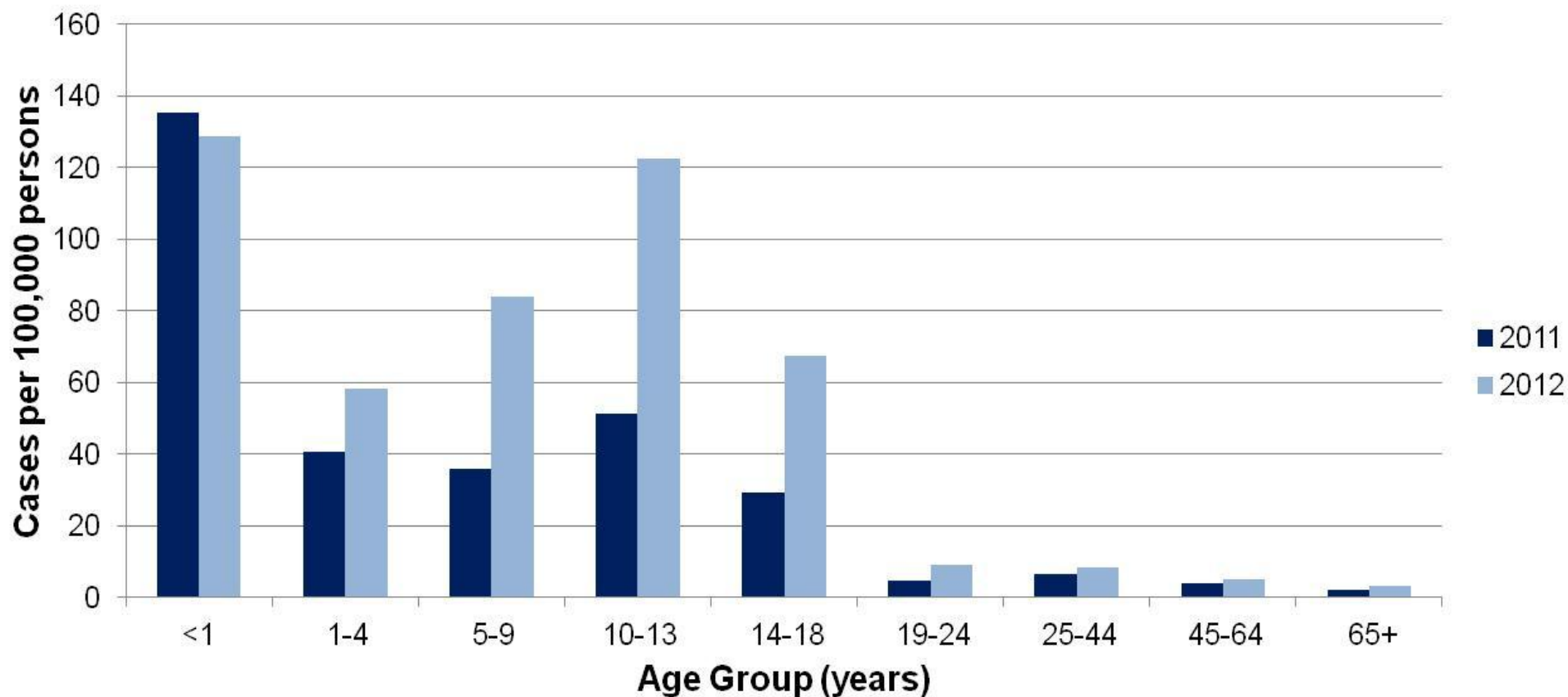
## Reported Cases of Pertussis by Median Age

Washington State, 1989 – 2011 and 2012 YTD (week 20)



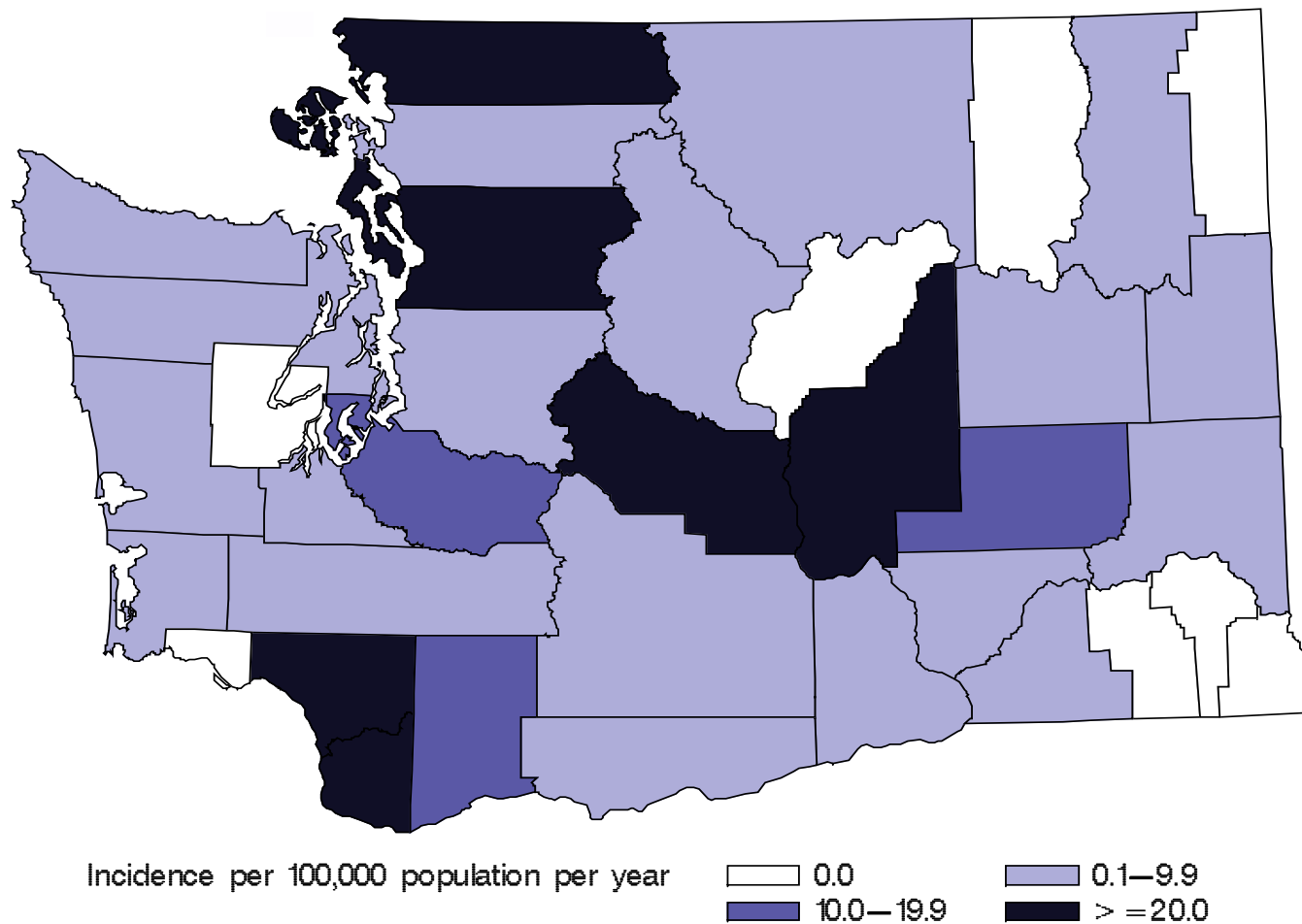
## Pertussis Incidence by Age Group

Washington State, 2011 and 2012 YTD (week 20)

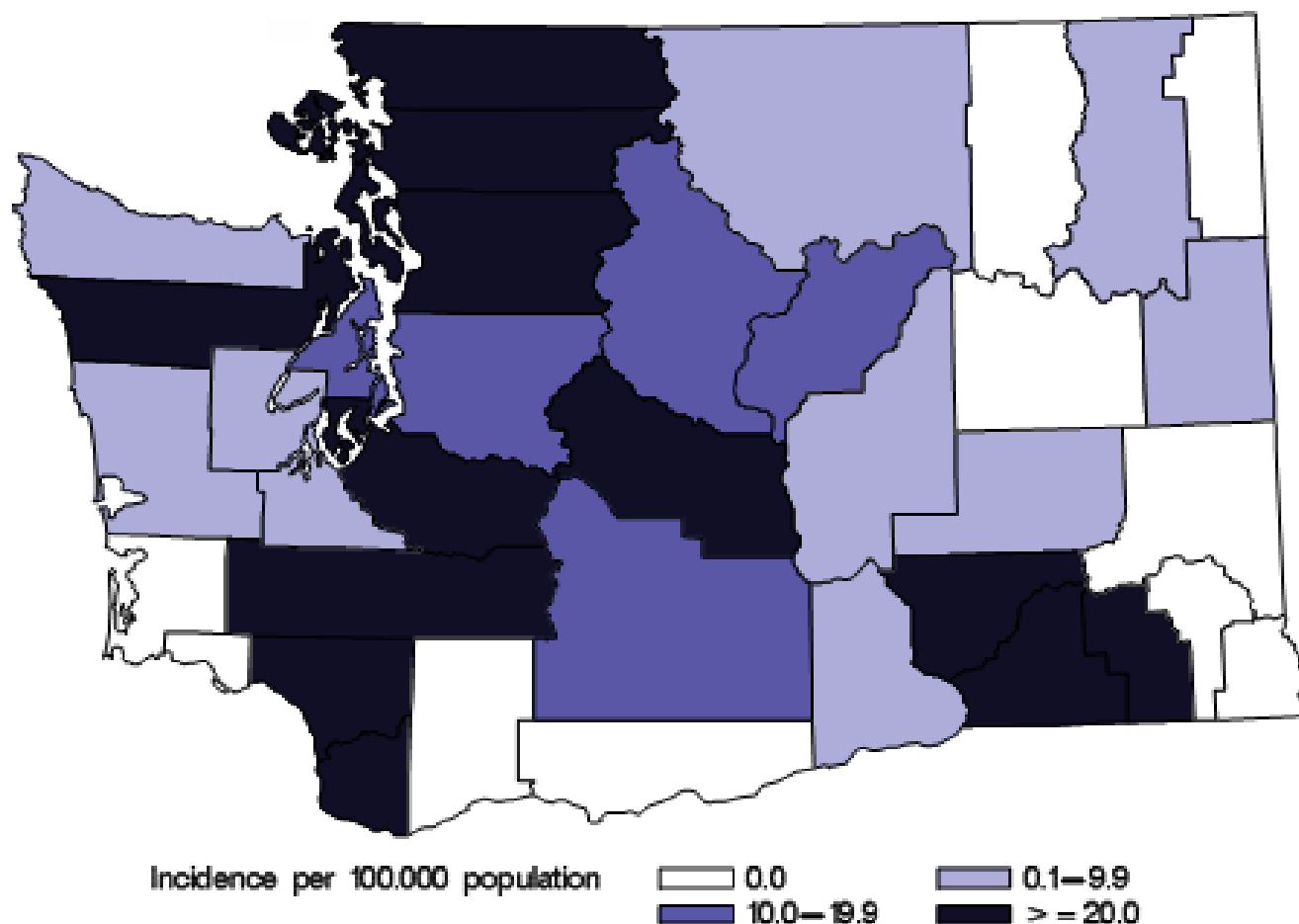




## Pertussis Incidence by County, 2011



## Pertussis Incidence by County, 2012 (February – April)



## Infant Deaths, 1996 - 2011

Year	County
1996	Grant
1998	King
2000	Grant
2006	Benton
2008	Yakima
2010	Whatcom
2010	Grant
2011	Yakima
2011	Snohomish

### Age at onset

- All were under 1 year of age
- Eight (89%) were 2 months of age or under

### Sex

- Male – 5 (56%)
- Female – 4

### Ethnicity

- Hispanic or Latino – 6 (67%)
- Not Hispanic or Latino – 2
- Unknown - 1

## Reported Cases of Pertussis, Vaccination Status

Washington State, 2010 – 2011 and 2012 YTD (week 20)

	2010-2011	2012 YTD
<b>7 months through 18 years</b>		
Proportion marked <b>up-to-date for pertussis-containing vaccine</b> in the PHIMS case report	64%	61%
<b>7 through 10 years of age</b>		
Proportion with: <b>4 or more doses</b>	81%	71%
<b>5 or more doses</b>	68%	59%
<b>13 through 18 years of age</b>		
Proportion who <b>received a Tdap dose</b>	62%	60%

## State Department Response: Communications

- Tdap vaccination messaging in Child Profile mailings reaching 470,000 families
- Radio media buy
- YouTube and other social media
- Postings on front page of agency website
- Regular updates to local/tribal health and professional medical associations
- Media availability with Gov. Gregoire and Sen. Cantwell

## **State Department Response: Provider Education/Tools**

- Initial communication from State Health officer to all providers requesting action
- CDC webinar training (with continuing medical education credits)
- Surveillance, reporting and investigation guidelines
- Tools/templates for school and child care reporting to public health

## State Department Response: Vaccine Access

- Promoting the GIFT program to provide free vaccine (more than 19,000 doses to 16 Health Jurisdictions, as of 5/1/12)
- 27,400 federally funded Tdap doses to local health and tribes for under and uninsured adults
- Work with local health to organize community vaccination clinics
- State immunization registry: tracking Tdap doses administered; annual comparisons

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**Questions?**